

Applicant : Satoshi Seo
Serial No. : 09/997,173
Filed : November 30, 2001
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Attorney's Do [REDACTED] No.: 12732-082001 / US5328

REMARKS

The amendments to the claims made herein are to correct minor grammatical errors and to place the application in better form for examination. No new matter is added.

Attached is a marked-up version of the changes being made by the current amendment.

Applicant asks that all claims be examined. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: February 25, 2002



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Version with markings to show changes made

In the claims:

Claims 1-13 have been amended as follows:

1. (Amended) A light emitting device comprising[:] an organic EL element **[comprising]** that includes a light emitting layer **[comprising]** having an electroluminescent organic compound **[in which an EL is obtained]** and a metal complex,

wherein:

the metal complex comprises a lattice structure in which metal atoms and ligands are alternately arranged, and

[wherein] the metal atoms are located in lattice points and the lattice points are cross-linked through the ligands in the lattice structure.

2. (Amended) A light emitting device comprising[:] an organic EL element **[comprising]** that includes a light emitting layer **[comprising]** having an electroluminescent organic compound **[in which an EL is obtained]** and a metal complex,

wherein:

the metal complex comprises a lattice structure in which metal atoms and ligands are alternately arranged, and

[wherein] the ligands are located in lattice points and the lattice points are cross-linked through the metal atoms in the lattice structure.

3. (Amended) A light emitting device according to claim 1 wherein the metal **[atom has an]** atoms have atomic **[number]** numbers equal to or larger than rubidium.

4. (Amended) A light emitting device according to claim 2 herein the metal **[atom has an]** atoms have atomic **[number]** numbers equal to or larger than rubidium.

5. (Amended) A light emitting device comprising[:]
an organic EL element
[comprising] having a light emitting layer [comprising] that includes an electroluminescent
organic compound [in which an EL is obtained] and a metal complex with a dinuclear structure
comprising two metal atoms as nuclei,

wherein;

the metal complex comprises a lattice structure in which sites with the dinuclear structure
and ligands are alternately arranged, and

[wherein] the sites with the dinuclear structure are located in lattice points and the lattice
points are cross-linked through the ligands in the lattice structure.

6. (Amended) A light emitting device comprising[:]
an organic EL element
[comprising] having a light emitting layer [comprising] that includes an electroluminescent
organic compound [in which an EL is obtained] and a metal complex with a dinuclear structure
comprising two metal atoms as nuclei,

wherein;

the metal complex comprises a lattice structure in which sites with the dinuclear structure
and ligands are alternately arranged, and

[wherein] the ligands are located in lattice points and the lattice points are cross-linked
through the sites with the dinuclear structure in the lattice structure.

7. (Amended) A light emitting device according to claim 5, wherein each of the metal
[atom] atoms is one element selected from the [group consisting of] group 5 to 11 elements of
the periodic table.

8. (Amended) A light emitting device according to claim 6 wherein each of the metal
[atom] atoms is one element selected from the [group consisting of] group 5 to 11 elements of
the periodic table.

9. (Amended) A light emitting device comprising[:]
an organic EL element
[comprising] having a light emitting layer [comprising] that includes an electroluminescent

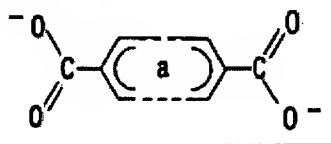
organic compound [**in which an EL is obtained**] and a metal complex with a dinuclear structure comprising two metal atoms as nuclei,

wherein the metal complex comprises a divalent metal ion of one element selected from the [**group consisting of**] group 5 to 11 elements of the period table and a ligand comprising a dicarboxylic ion.

10. (Amended) A light emitting device comprising[:]
[comprising] having a light emitting layer [comprising] that includes an electroluminescent organic compound [**in which an EL is obtained**] and a metal complex with a dinuclear structure comprising two metal atoms as nuclei,

wherein the metal complex comprises a divalent metal ion of one element selected from the [**group consisting of**] group 5 to 11 elements of the period table and a ligand represented by the general formula,

[Chemical Formula 1]

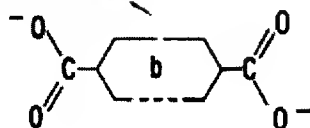


where **a** denotes one selected from the group consisting of a substituent comprising a paraphenylene group, a substituent comprising a heterocyclic ring, and a substituent comprising a condensed ring.

11. (Amended) A light emitting device comprising [:] an organic EL element [comprising] having a light emitting layer [comprising] that includes an electroluminescent organic compound [**in which an EL is obtained**] and a metal complex with a dinuclear structure comprising two metal atoms as nuclei,

wherein the metal complex comprises a divalent metal ion of one element selected from the [**group consisting of**] group 5 to 11 elements of the periodic table and a ligand represented by the general formula,

[Chemical Formula 2]

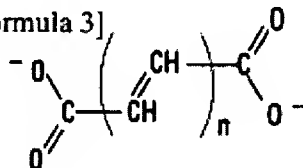


where **b** denotes at least one cycloalkylene group and the **b** may comprise a substituent.

12. (Amended) A light emitting device comprising [:] an organic EL element **[comprising]** having a light emitting layer **[comprising]** that includes an electroluminescent organic compound **[in which an EL is obtained]** and a metal complex with a dinuclear structure comprising two metal atoms as nuclei,

wherein the metal complex comprises a divalent metal ion of one element selected from the **[group consisting of]** group 5 to 11 elements of the periodic table and a ligand represented by the general formula,

[Chemical Formula 3]

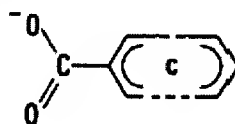


where **n** denotes an integer equal to or larger than 1.

13. (Amended) A light emitting device comprising [:] an organic EL element **[comprising]** having a light emitting layer **[comprising]** that includes an electroluminescent organic compound **[in which an EL is obtained]** and a metal complex with a dinuclear structure comprising two metal atoms as nuclei,

wherein the metal complex comprises a divalent metal ion of one element selected from the **[group consisting of]** group 5 to 11 elements of the periodic table and a ligand represented by the general formula,

[Chemical Formula 4]



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where **c** denotes one selected from the group consisting of a substituent comprising an aryl group, a substituent comprising a heterocyclic ring, and a substituent comprising a condensed ring.